CLAIMS

What is claimed is:

1. A guide wire clasping driven member which maintains a length of a guide wire disposed in a tissue comprising:

a rotatable drive shaft configured to apply a driving and rotational force to a medical device; and

a wire locking mechanism configured to hold the guide wire a predetermined distance from the tissue as the medical device is driven distally away from the wire locking mechanism.

2. The guide wire clasping driven member according to Claim 1 further comprising a cannulated outer sleeve, said rotatable drive shaft being disposed within said cannulated outer sleeve.

3. The guide wire clasping driven member according to Claim 2 wherein said outer sleeve is rotatably coupled to said rotatable drive shaft.

4. The guide wire clasping driven member according to Claim 2 wherein said wire locking mechanism is disposed within said cannulated sleeve.

5. The guide wire clasping driven member according to Claim 1 wherein said wire locking mechanism has a pair of guide wire clamping jaws.

6. The guide wire clasping driven member according to Claim 1 wherein said wire locking mechanism comprises a threaded knob.

7. The guide wire clasping driven member according to Claim 1 wherein the medical device is selected from a group of a fastener, a drill bit, and a cutting tool.

8. The guide wire clasping driven member according to Claim 1 wherein the driven shaft is cannulated and configured to accept the guide wire.

9. An apparatus for driving a medical device comprising:

a guide wire clasping driven member which maintains a length of a guide wire coupled to a tissue comprising a rotatable shaft configured to be coupled to the medical device, and a wire locking mechanism which retains the wire at a predetermined distance from the tissue; and

a driver coupled to said rotatable drive shaft.

10. The apparatus according to Claim 9 wherein the guide wire clasping driven member comprises an annular outer sleeve disposed about said drive shaft.

11. The apparatus according to Claim 9 wherein said wire locking mechanism is disposed within said driver.

12. The apparatus according to Claim 9 wherein the wire locking mechanism is disposed within the annular outer sleeve.

13. The apparatus according to Claim 9 wherein the wire locking mechanism comprises a pair of collapsible jaws.

14. The apparatus according to Claim 9 wherein the driver is a handle.

15. The apparatus according to Claim 9 wherein the driver is a drive motor selected from the group consisting of electric and pneumatic.

16. A method for rotating a medical device with respect to a biological tissue having a guide wire comprising:

providing a medical device;

providing a guide wire retaining member having a driven shaft and a wire retaining mechanism, said wire retaining mechanism configured to hold the guide wire at a fixed distance from the tissue;

positioning the guide wire retaining member relative to the medical device;

retaining the guide wire at a fixed distance from the tissue; and

applying a force to the driven shaft to apply forces to the medical device.

17. The method of Claim 16 wherein providing a medical device includes providing a medical device selected from a cannulated screw, a cannulated drill bit, and a cannulated cutting tool.

18. The method of Claim 16 further comprising placing the guide wire through the medical device.

19. The method of Claim 16 wherein providing a guide wire retaining member includes provides a cannulated outer sleeve, said wire retaining mechanism disposed within said outer sleeve.

20. The method according to Claim 16 further including providing a driver coupled to the driven shaft, and wherein providing the guide wire retaining member includes providing a wire clamp disposed within the driver.